

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A composition comprising, by weight, the total being 100%:

- a semi-crystalline polyamide (A);
- 5 to 35% of an amorphous polyamide (B) which results from the condensation:
 - of (B1) at least one cycloaliphatic diamine or aliphatic diamine, with at least one cycloaliphatic diacid or aliphatic diacid, at least one of the diamine or diacid units being cycloaliphatic, or
 - (B2) of a cycloaliphatic α,ω -aminocarboxylic acid, or
 - (B3) of a combination of (B1), and (B2), and optionally at least one of condensations
- (B1), (B2) or (B3) may also employ
 - at least one monomer selected from the group consisting of a α,ω -aminocarboxylic acid or the corresponding lactam, an aliphatic diacid, and an aliphatic diamine;
 - a further polyamide (C), in an amount of up to 40% which is a copolymer containing polyamide blocks and polyether blocks;
 - 0 to 20% of a compatibilizer (D) for (A) and (B);
 - 0 to 40% of modifier (M);

with the condition that (C) + (D) + (M) not more than ~~is between 0 and 50%~~, and (C) is present,

said composition being semi-crystalline, with the proviso that the amorphous polyamide (B) does not contain aromatic units.

Claim 2 (Previously Presented): The composition according to claim 1, wherein (A) is derived from the condensation of a lactam containing at least 9 carbon atoms, an α,ω -aminocarboxylic acid containing at least 9 carbon atoms or a diamine and a diacid wherein the diamine or the diacid contains at least 9 carbon atoms.

Claim 3 (Previously Presented): The composition according to claim 1, wherein (A) is PA [[-]] 11 or PA 12.

Claim 4 (Previously Presented): The composition according to claim 1, wherein (A) is an equilibrated polyamide.

Claim 5 (Previously Presented): The composition according to claim 1, wherein (B) comprises a condensation product of isophoronediamine.

Claim 6 (Canceled)

Claim 7 (Previously Presented): The composition according to claim 1, wherein the polyamide blocks comprise PA 6 or PA 12 blocks and the polyether blocks comprise polytetramethylene glycol (PTMG) blocks.

Claim 8 (Canceled)

Claim 9 (Previously Presented): The composition according to claim 1, wherein (A) comprises PA 12 and (D) comprises PA 11.

Claim 10 (Previously Presented): The composition according to claim 1, comprising (D) and wherein (D) comprises a catalysed polyamide.

Claim 11 (Previously Presented): The composition according to claim 1, wherein (A) comprises PA 12 and (D) comprises catalysed PA11.

Claim 12 (Previously Presented): The composition according to claim 1, comprising the modifier M and the modifier (M) comprises an ethylene-propylene (EPR) copolymer, an EPDM copolymer grafted with maleic anhydride, an ethylene/alkyl (meth) acrylate/maleic anhydride copolymer, or an ethylene/glycidyl methacrylate copolymer.

Claim 13 (Currently Amended): The composition according to claim 1, wherein the proportions of the constituents are:

the difference to 100% of (A),

20 to 30% of (B),

up to 40% of (C),

0 to 20% of (D),

0 to 40% of (M),

(C) + (D) + (M) being not more than ~~between 0 and 50% inclusive~~.

Claim 14 (Canceled)

Claim 15 (Currently Amended): The composition according to claim 1, wherein the proportions of the constituents are:

the difference to 100% of (A),

10 to 30% of (B),

up to 30% of (C),

0 to 20% of (D),

0 to 30% of (M),

(C) + (D) + (M) being not more than ~~between 0 and 30%, inclusive~~.

Claim 16 (Currently Amended): The composition according to claim 1, wherein the proportions of the constituents are:

the difference of 100% of (A),

20 to 30% of (B),

up to 30% of (C),
0 to 20% of (D),
0 to 30% of (M),
(C) + (D) + (M) being not more than ~~between 0 and 30%, inclusive~~.

Claim 17 (Currently Amended): The composition according to claim 1, wherein the proportions of the constituents are:

the difference to 100% of (A),
10 to 30% of (B),
up to 20% of (C),
0 to 20% of (D),
0 to 20% of (M),
(C) + (D) + (M) being not more than ~~between 0 and 20%, inclusive~~.

Claim 18 (Currently Amended): The composition according to claim 1, wherein the proportions of the constituents are:

the difference to 100% of (A),
10 to 30% of (B),
up to 15% of (C),
0 to 15% of (D),
0 to 15% of (M),
(C) + (D) + (M) being not more than ~~between 0 to 15%, inclusive~~.

Claim 19 (Currently Amended): The composition according to claim 1, wherein the proportions of the constituents are:

the difference to 100% of (A),
20 to 30% of (B),
up to 20% of (C),
0 to 20% of (D),

0 to 20% of (M),

(C) + (D) + (M) being not more than ~~between 0 and 20%, inclusive~~.

Claim 20 (Currently Amended): The composition according to claim 1, wherein the proportions of the constituents are:

the difference to 100% of (A),

20 to 30% of (B),

up to 15% of (C),

0 to 15% of (D),

0 to 15% of (M),

(C) + (D) + (M) being not more than ~~between 0 and 15%, inclusive~~.

Claim 21 (Previously Presented): An article produced by injection molding a composition according to claim 1.

Claim 22 (Previously Presented): The article according to claim 21, wherein said article is decorated by sublimation, and coated with a transparent protective layer.

Claims 23-24 (Canceled)

Claim 25 (Previously Presented): The composition according to claim 1, wherein said amorphous polyamide (B) comprises at least one monomer selected from the group consisting of an α , ω -aminocarboxylic acid, an aliphatic diacid and an aliphatic diamine.

Claim 26 (Previously Presented): The composition according to claim 1, wherein said semi-crystalline polyamide (A) comprises para-aminodicyclohexylmethane-12.

Claim 27 (Previously Presented): The composition according to claim 1, wherein (B) is condensed from at least one monomer chosen from a α , ω -aminocarboxylic acid and said α , ω -

aminocarboxylic acid comprises 7-aminoheptanoic acid, 11-aminoundecanoic acid or 12-aminododecanoic acid.

Claim 28 (Previously Presented): The composition according to claim 2, wherein said lactam comprises oenantholactam or lauryllactam.

Claim 29 (Canceled)

Claim 30 (Previously Presented): The composition according to claim 1, wherein said semi-crystalline polyamide (A) is an aliphatic polyamide selected from the group consisting of: polycaprolactam (PA-6), polyundecanamide (PA-11), polylauryllactam (PA-12), polybutylenedipamide (PA-4,6), polyhexamethylenedipamide (PA-6,6), polyhexamethyleneazelamide (PA-6,9), polyhexamethylenesebacamide (PA-6,10), polyhexamethylenedodecanamide (PA-6,12), polydecamethylenedodecanamide (PA-10,12), polydecamethylenesebacanamide (PA-10,10), and polydodecamethylenedodecanamide (PA-12,12).

Claim 31 (Previously Presented): The composition according to claim 30, wherein said (A) comprises a blend of aliphatic polyamides.

Claim 32 (Previously Presented): The composition according to claim 1, wherein (B) comprises a condensation product of at least one isomer of: bis(4-aminocyclohexyl)methane (BACM), bis(3-methyl-4-aminocyclohexyl)methane (BACM) or 2-2-bis(3-methyl-4-aminocyclohexyl)propane(BMACP).

Claim 33 (Canceled)

Claim 34 (Canceled)

Claim 35 (Previously Presented): The composition according to claim 1, wherein said polyamide (C) comprises polyamide blocks which have a number-average molar mass between 300 and 15000.

Claim 36 (Previously Presented): The composition according to claim 1, wherein said polyamide (C) comprises polyether blocks which have a number-average molar mass between 100 and 6000.

Claim 37 (Currently Amended): The composition according to claim 1, comprising said compatibilizer (D) whereby allowing a reduction in the temperature required to make the blend of (A) and (B) transparent is reduced over the absence of (D).

Claim 38 (Previously Presented): The composition according to claim 37, wherein said compatibilizer (D) is a catalyzed aliphatic polyamide.

Claim 39 (Previously Presented): The composition according to claim 1, comprising a modifier (M) wherein (M) comprises a functionalized polyolefin, a grafted aliphatic polyester, a copolymer containing polyether blocks and polyamide blocks, a copolymer of ethylene or an alkyl (meth) acrylate or a saturated vinylcarboxylic acid ester.

Claim 40 (Previously Presented): The composition according to claim 39, wherein said functionalized polyolefin comprises α -olefin units, epoxy units, carboxylic acid units, or carboxylic anhydride units.

Claim 41 (Currently Amended): The composition according to claim 1, comprising the ~~supple~~ modifier (M), ~~according to claim 1,~~ wherein said (M) does not reduce the transparency of a composition.

Claim 42 (Previously Presented): The composition according to claim 1 prepared by melt-blending.

Claim 43 (Previously Presented): A transparent article comprising the composition according to claim 1.

Claim 44 (Previously Presented): The article according to claim 43, selected from a tube, a plate, a film or a profile.

Claim 45 (Previously Presented): The composition according to claim 1 comprising a stabilizer, an antioxidant or a UV stabilizer.

Claim 46 (Previously Presented): The composition according to claim 133, further comprising said compatibilizer (D).

Claim 47 (Previously Presented): The composition according to claim 46, further comprising said modifier (M).

Claim 48 (Previously Presented): The composition according to claim 47, wherein (A) comprises polyamide-11, polyamide-12 or an equilibrated polyamide.

Claim 49 (Previously Presented): The composition according to claim 48, wherein (B) comprises a condensation product of a cycloaliphatic diamine and a diacid.

Claims 50 – 54 (Canceled)

Claim 55 (Previously Presented): The composition according to claim 7, wherein (D) comprises PA 11 or a catalyzed polyamide.

Claim 56 (Previously Presented): An article according to claim 50, wherein (D) comprises PA 11 or a catalyzed polyamide.

Claim 57 (Previously Presented): The composition according to claim 47, wherein (M) comprises a member selected from the group consisting of an ethylene-propylene (EPR) copolymer, an EPDM copolymer grafted with maleic anhydride, an ethylene/alkyl (meth) acrylate/maleic anhydride copolymer, and an ethylene/glycidyl methacrylate copolymer.

Claim 58 (Previously Presented): The composition according to claim 18, wherein (M) comprises a member selected from the group consisting of an ethylene-propylene (EPR) copolymer, an EPDM copolymer grafted with maleic anhydride, an ethylene/alkyl (meth) acrylate/maleic anhydride copolymer, and an ethylene/glycidyl methacrylate copolymer.

Claim 59 (Canceled):

Claim 60 (Previously Presented): A composition according to claim 47, wherein (A) comprises a polyamide 12, (B) comprises a condensation product of isophoronediamine and a C12 acid (C) comprises a copolymer containing PA 12 blocks PTMG blocks (blocks of polytetramethylene glycol), (D) comprises polyamide 11 containing isophosphoric acid catalysts, and (M) comprises an ethylene-glycidyl methacrylate copolymer.

Claim 61 (Previously Presented): A composition according to claim 60, wherein (B) is present in an amount of 25% by weight, (C) is present in an amount of 10% by weight, (D) is present in an amount of 12% by weight and (M) is present in an amount of 6% by weight.

62. (Previously Presented) The composition according to claim 1, wherein (A) is derived from the condensation of caprolactam.

63. (Previously Presented) The composition according to claim 1, comprising 25% amorphous polyamide (B).

64. (Previously Presented) The composition according to claim 63, wherein polyamide (B) is a condensation product of isophorone diamine and a C₁₂ acid.

65. (Previously Presented) The composition according to claim 63, further comprising 10% polyamide (C).

66. (Previously Presented) The composition according to claim 65, wherein polyamide (C) is a copolymer of PA 12 and polytetramethylene glycol.

67. (Previously Presented) The composition according to claim 66, wherein polyamide (C) is PEBA.

68. (Previously Presented) The composition according to claim 63, further comprising 12% compatibilizer (D).

69. (Previously Presented) The composition according to claim 68, wherein compatibilizer (D) is PA 11.

70. (Previously Presented) The composition according to claim 68, wherein compatibilizer (D) is PA 11 containing isophosphoric acid catalyst.

71. (Previously Presented) The composition according to claim 1, comprising 10% amorphous polyamide (B).

72. (Currently Amended) A composition comprising, by weight, the total being 100%: a semi-crystalline polyamide (A);

5 to 35% of an amorphous polyamide(B) which results from the condensation:

of (B1) at least one cycloaliphatic diamine or aliphatic diamine, with at least one cycloaliphatic diacid or aliphatic diacid, at least one of the diamine or diacid units being cycloaliphatic, or

(B2) of a cycloaliphatic α,ω -aminocarboxylic acid, or

(B3) of a combination of (B1), and (B2), and optionally at least one of condensations

(B1), (B2) or (B3) may also employ

at least one monomer selected from the group consisting of a α,ω -aminocarboxylic acid or the corresponding lactam, an aliphatic diacid, and an aliphatic diamine;

0 to 40% of a further polyamide (C) selected from the group consisting of (C1) copolymers containing polyamide blocks and polyether blocks, and (C2) copolyamides; and

a compatibilizer (D) for (A) and (B), in an amount of up to 20% which compatibilizer is a catalyzed polyamide, and

0 to 40% of modifier (M);

with the condition that (C) + (D) + (M) is not more than ~~between 0 and~~ 50%,

said composition being semi-crystalline, with the proviso that the amorphous polyamide (B) does not contain aromatic units.